

Digital Selective Calling

Vessel registers for an MMSI number for their DSC Capable Radio.



The Vessel experiences an emergency

The vessel presses the DSC button on their radio and holds for 5 seconds.



Coast Guard Watch Stander receives the emergency distress call.

Rescue 21 passes all registered MMSI vessel information to the Watch Stander. If the vessel's DSC radio is properly interfaced with GPS, Latitude and Longitude are displayed.



Coast Guard assets respond directly to the position of the vessel.

Disaster Recovery



A hurricane, natural disaster, or war destroys or incapacitates a communications tower.



PAT raised



Communications Restored



Portable Antenna Tower (PAT) and Communications Recovery Package (CRP) deployed to the site



Homeland Security

Patrolling Coast Guard forces spot vessel of interest.



Information is passed over Rescue 21 via protected communications.



Watch stander coordinates Command, Control, and Communications response efforts through Rescue 21.



Direction Finding

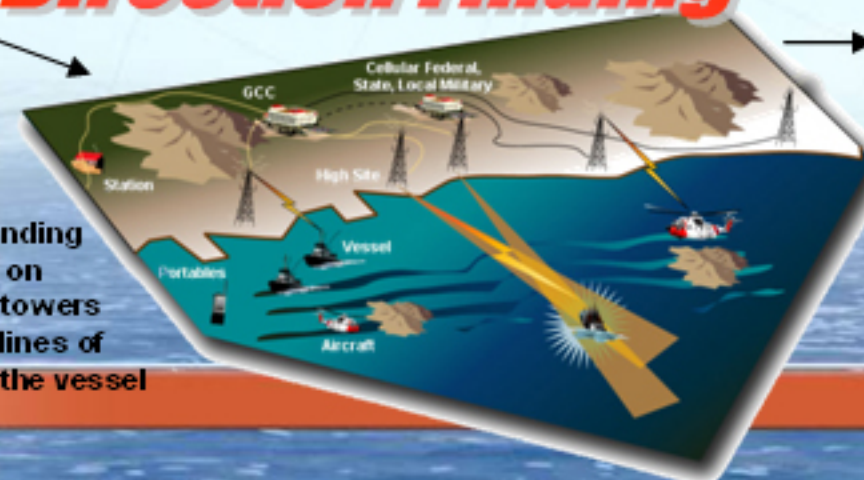


A Vessel experiences an emergency

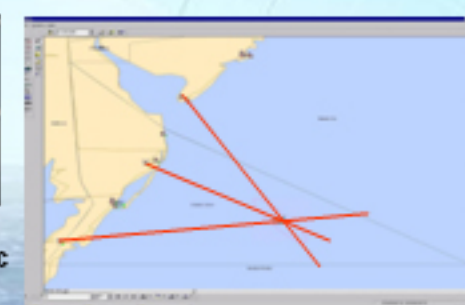


Vessel sends mayday signal on VHF Channel 16

Direction finding equipment on Rescue 21 towers determine lines of bearing to the vessel



Rescue 21 geographic displays show the latitude and longitude of the vessel based on triangulation from the lines of bearing.



Coast Guard assets are deployed to the location.



U.S. COAST GUARD
RESCUE 21
SAVING LIVES IN THE 21st CENTURY